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JEFFREY FURR 253 N. MAIN STREET JOHNSTOWN, OH 43031			EXAMINER RAMPURIA, SATISH	
			ART UNIT	PAPER NUMBER
			2191	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/04/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/065,749

Applicant(s)

KONDUR, SANKAR NARAYANA

Examiner

Satish S. Rampuria

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 February 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 7-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 7-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 November 2006 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

Response to Amendment

1. This action is in response to the application filed on 02/20/2007.
2. The status of the claims (7-25) filed on 02/20/2007 is incorrect; they should have been as "New".
3. The objection to drawing (Fig. 1 and 3) is withdrawn in view of Applicant's replacement sheets.
4. The objection to specification still stand rejected due to trademarks used in the application. Appropriate correction is required.
5. Claim 1-6 objected due to numbering is withdrawn in view of Applicants amendment.
6. Claims cancelled by the Applicant: 1-6.
7. New claims added by the Applicant: 7-25.
8. Claims 7-25 are pending.

Response to Arguments

9. Applicant has not submitted any arguments in response to the Non-Final Office Action. Applicant should submit an argument and must also discuss the references applied against the claims, explaining how the claims avoid the references or distinguish from them and pointing out disagreements with the examiner's contentions.
10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP §

706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Specification

11. The disclosure is objected and still stand objected to because of the following informalities:

The use of the trademark "Java, J2EE, CompuServe, Prodigy, America Online, Microsoft, Netscape, Windows, Oracle, MySQL" etc. has been noted in this application. It should be appropriate or proper term (see MPEP 608.01(v)) used, wherever it appears and be accompanied by the generic terminology (for details please visit <http://www.sun.com/suntrademarks/index.html>, <http://www.microsoft.com/library/toolbar/3.0/trademarks/en-us.mspx>, www.CompuServe.com, <http://help.prodigy.net/help/legal/trademark.html>, <http://legal.web.aol.com/ip/ipguide/tmguide.html>,

http://wp.netscape.com/legal_notices/trademarks.html,

<http://www.oracle.com/html/3party.html>,

<http://www.mysql.com/company/legal/trademark.html>). Although the use of trademarks is permissible in patent applications, the proprietary nature of the marks should be respected and every effort made to prevent their use in any manner which might adversely affect their validity as trademarks.

Appropriate correction is required.

Claim Objections

12. The new Claims 14 and 25 is objected to because of the following informalities:

The use of the trademark "java" has been noted in the claim. It should be appropriate or proper term (i.e., Java™) (see MPEP 608.01(v)) used, wherever it appears and be accompanied by the generic terminology. Although the use of trademarks is permissible in patent applications, the proprietary nature of the marks should be respected and every effort made to prevent their use in any manner which might adversely affect their validity as trademarks.

Claim Rejections - 35 USC § 112

13. The following is a quotation of the **second paragraph** of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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14. Claims 9, 10, 12, 14, 16, 19, 23 and 25 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 14 and 25 contain the trademark/trade name "java" (See previously attached document). Where a trademark or trade name is used in a claim as a limitation to identify or describe a particular material or product, the claim does not comply with the requirements of 35 U.S.C. 112, second paragraph. See *Ex parte Simpson*, 218 USPQ 1020 (Bd. App. 1982). The claim scope is uncertain since the trademark or trade name cannot be used properly to identify any particular material or product. A trademark or trade name is used to identify a source of goods, and not the goods themselves. Thus, a trademark or trade name does not identify or describe the goods associated with the trademark or trade name.

The rejection of the base claim is necessarily incorporated into the dependent claims.

Claim 10, 12, 16, 19, 25 recites the limitation "said managing section". There is insufficient antecedent basis for this limitation in the claim.

Claim 9 and 25 recites the limitation "said groups and users". There is insufficient antecedent basis for this limitation in the claim.

Claim 23 recites the limitation "said client server". There is insufficient antecedent basis for this limitation in the claim.

The rejection of the base claim is necessarily incorporated into the dependent claims.

Claim Rejections - 35 USC § 101

15. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

16. Claims 7-9, 11, 14-15, 17-21, are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claims 7-9, 11, 14-15, 17, 18 are directed to system of functional descriptive material per se, and hence non-statutory. The recited components of the claims can reasonably be interpreted as computer program modules—software per se. Also, the specification discloses that many of the features and techniques may be implemented in software (Applicant's Specification - Paragraph [0035]-[0043]). Therefore, the claims constitute computer programs representing computer listings per se. Such descriptions or expressions of the programs are not physical "things." They are neither computer components nor statutory processes, as they are not "acts" being performed. Such claimed computer programs do not define any structural and functional interrelationships between the computer program and other claimed elements of a computer, which permit the computer program's functionality to be realized. In contrast, a claimed computer-readable medium encoded with a computer program is a computer element, which defines structural and functional interrelationships between the

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computer program and the rest of the computer, that permits the computer program's functionality to be realized, and is thus statutory. See Lowry, 32 F.3d at 1583-84, 32 USPQ2d at 1035.

The result of Claims 19-21 is directed to the act of "letting" and "allows", which does not appear to be a tangible result so as to constitute a practical application of the idea. The act of "letting" and "allows" is merely a thought or an abstract idea and does not appear to produce a tangible result even if the step of letting and allows does occur, since the result of that letting and allows is not conveyed in the real world. The result is a letting and allow, which is neither used in a disclosed practical application nor made available for use in a disclosed practical application. It also does not appear that the usefulness of the letting and allows can be realized from the claimed steps to support a disclosed specific, substantial, and credible utility so as to produce a useful result.

Therefore, the claims do not meet the statutory requirement of 35 U.S.C. § 101, since the claims are not directed to a practical application of the § 101 judicial exception producing a result tied to the physical world.

Claim Rejections - 35 USC § 102

17. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international

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application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

18. Claim 7 rejected under 35 U.S.C. 102(e) as being anticipated by US Publication No. 2003/0192029 to Hughes (hereinafter, Hughes).

Per claim 7:

Hughes discloses:

A system for software development comprising: which has a datasource manager manages the data (See FIG. 8, element 800 and related discussion), a client side component (See FIG. 1, element 104 and related discussion); a client system connecting to a server system (See FIG. 1, and related discussion), and a plurality of server side components (See FIG. 8, element 104 and related discussion).

Claim Rejections - 35 USC § 103

19. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

20. Claims 8-25 rejected under 35 U.S.C. 103(a) as being unpatentable over Hughes in view of US Publication No. 2003/0041313 to Harmon (hereinafter, Harmon).

Per claim 8:

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The rejection of claim 7 is incorporated and further, Hughes disclose:

A system according to claim 7 in which the server side components includes one or more of a set of an Account and Users manager (FIG. 2, paragraph [0040] "...product manager 202..."), a Project manager (FIG. 3, element 302), a Source code compilation and run-time management (paragraph [0042] "QA developer 216 develops the test plan using the requirements specification written by the product manager 202"), a Repository Manager (FIG. 9, element 908), a Datasource Manager, a functionality Center, a Requirements and Analysis center (FIGs. 8-10 and related discussion),

Hughes does not explicitly disclose a DrawBoard, and a Productivity Wizard.

However, Harmon discloses in an analogous computer system a DrawBoard, and a Productivity Wizard (paragraph [0031] "operator... finish button 159, collector finished screen...displayed. Collector finished screen 100G allows an operator to exit the data collector wizard (button 162)...data collector wizard...allows an operator to exit the data collector wizard and launch a graphical user interface (button 166) to provide a graphical view of a deployment of data collectors. Additionally, the data collector wizard allows an operator to exit the data collection wizard and start operation of the created data collector itself (button 167) or view log files (box 168) with respect to the operation of data collectors for which operation has been started" and paragraph [0039] "FIG. 2, a high level diagram of a user interface tool...data collector wizard...welcome screen 201, component selection screens 202, and customization option screen 203...communication with customization tool 250").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the method of including a DrawBoard,

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and a Productivity Wizard as taught by Harmon in the method of software development as taught by Hughes. The modification would be obvious because of one of ordinary skill in the art would be motivated to have a DrawBoard, and a Productivity Wizard to provide user interface tool which not only provide high level guidance with respect to configuration options, but which further inform the operator that further configuration is available and provides simplified access to more detailed configuration options (paragraph [0006]).

Per claim 9:

The rejection of claim 8 is incorporated and further, Hughes disclose:

A system according to claim 8 in which said Account, Users manager manages a group of users the functionality related to said groups and users (FIG. 2, paragraph [0040] "...product manager 202...").

Per claim 10:

The rejection of claim 9 is incorporated and further, Hughes disclose:

A system according to claim 9 in which said managing function includes one or more of a group of adding/deleting accounts, adding/deleting users to accounts, modifying the user information and maintaining the account and user directories (paragraph [0117]

"the requirements design subsystem 816 enables the product manager 204 and the architect 208 to create, edit, download, upload, and/or approve requirements in the specification").

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Per claim 11:

The rejection of claim 8 is incorporated and further, Hughes disclose:

A system according to claim 8 in which said Project manager manages Projects, their components and their related functionality (paragraph [0047] "product manager 302 moderates a development team 300, which is formed from an distributed group of developers (used here to include designers, design reviewers, developers, development reviewers, etc.)").

Per claim 12:

The rejection of claim 11 is incorporated and further, Hughes disclose:

A system according to claim 11 in which said managing function includes one or more of a group of managing the projects' properties, adding projects, deleting projects, adding directories, deleting directories, adding files, and deleting files (paragraph [0047] "product manager 302 moderates a development team 300, which is formed from an distributed group of developers (used here to include designers, design reviewers, developers, development reviewers, etc.)").

Per claim 13:

The rejection of claim 8 is incorporated and further, Hughes disclose:

A system according to claim 8 in which said Source code compilation and run-time management manages the source code, its compilation and running (paragraph [0042] "QA developer 216 develops the test plan using the requirements specification written by the product

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manager 202").

Per claim 14:

The rejection of claim 8 is incorporated and further, Hughes disclose:

A system according to claim 8 in which said Repository Manager manages the java packages, projects and other resources in the account and its related activities (paragraph [0034] "... software... implemented... Java applet").

Per claim 15:

The rejection of claim 8 is incorporated and further, Hughes disclose:

A system according to claim 8 in which said Datasource Manager manages the databases, database accounts, and other databases related functionality for the users (paragraph [0047] "product manager 302 moderates a development team 300, which is formed from an distributed group of developers (used here to include designers, design reviewers, developers, development reviewers, etc.)").

Per claim 16:

The rejection of claim 15 is incorporated and further, Hughes disclose:

A system according to claim 15 in which said managing function includes one or more of a group of creating datasources, deleting datasources, modifying datasources, creating database accounts, modifying database accounts, deleting database accounts in said datasources, managing login and access and manipulating the data in said

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database accounts (paragraph [0047] "product manager 302 moderates a development team 300, which is formed from an distributed group of developers (used here to include designers, design reviewers, developers, development reviewers, etc.)").

Per claim 17:

The rejection of claim 8 is incorporated and further, Hughes disclose:

A system according to claim 8 in which said functionality Center manages the Webservices related functionality for the user (paragraph [0126] "FIG. 9, the development posting subsystem 820 includes a web server 902").

Per claim 18:

The rejection of claim 8 is incorporated and further, Hughes disclose:

A system according to claim 8 in which said Requirements and Analysis center provides the Requirements and Analysis functionality for a project (paragraph [0041] "An architect (also referred to as a "designer") 208 designs the software component. The architect 208 preferably is a senior developer who acts as a mentor to and collaborates with one or more of the other team members 204, 212, 216 to design the architecture of the component").

Per claim 19:

The rejection of claim 15 is incorporated and further, Hughes disclose:

A system according to claim 15 in which said managing function includes one or more of a group of letting the user describe the requirements, adding the project requirements, deleting the project requirements, modifying the project requirements,

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analyzing the project and designing the project (paragraph [0047] "product manager 302 moderates a development team 300, which is formed from an distributed group of developers (used here to include designers, design reviewers, developers, development reviewers, etc.)").

Per claim 20:

The rejection of claim 8 is incorporated and further, Hughes does not explicitly disclose in which said DrawBoard allows the users to draw the Screens of the application.

However, Harmon discloses in an analogous computer system in which said DrawBoard allows the users to draw the Screens of the application (paragraph [0031] "operator... finish button 159, collector finished screen... displayed. Collector finished screen 100G allows an operator to exit the data collector wizard (button 162)... data collector wizard... allows an operator to exit the data collector wizard and launch a graphical user interface (button 166) to provide a graphical view of a deployment of data collectors. Additionally, the data collector wizard allows an operator to exit the data collection wizard and start operation of the created data collector itself (button 167) or view log files (box 168) with respect to the operation of data collectors for which operation has been started").

The feature of providing in which said DrawBoard allows the users to draw the Screens of the application would be obvious for the reasons set forth in the rejection of claim 8.

Per claim 21:

The rejection of claim 8 is incorporated and further, Hughes does not explicitly disclose in which said Productivity Wizards is a collection of components that allows the user to create parts of their application in an easy way.

However, Harmon discloses in an analogous computer system in which said Productivity Wizards is a collection of components that allows the user to create parts of their application in an easy way (paragraph [0039] "FIG. 2, a high level diagram of a user interface tool...data collector wizard...welcome screen 201, component selection screens 202, and customization option screen 203...communication with customization tool 250").

The feature of providing in which said Productivity Wizards is a collection of components that allows the user to create parts of their application in an easy way would be obvious for the reasons set forth in the rejection of claim 8.

Per claim 22:

The rejection of claim 8 is incorporated and further, Hughes disclose:

A system according to claim 8 in which the client side connects to the server system using a LAN (paragraph [0035] "The communication may take place via any media such as standard telephone lines, LAN or WAN links (e.g., T1, T3, 56 kb, X.25), broadband connections (ISDN, Frame Relay, ATM), wireless links").

Per claim 23:

The rejection of claim 8 is incorporated and further, Hughes disclose:

A system according to claim 8 in which said client server is a stand alone system (paragraph [0034] "client software 120 may be in the form of a standalone application").

Per claim 24:

The rejection of claim 8 is incorporated and further, Hughes disclose:

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A system according to claim 8 in which the client side connects to the server system using a WAN (paragraph [0035] "The communication may take place via any media such as standard telephone lines, LAN or WAN links (e.g., T1, T3, 56 kb, X.25), broadband connections (ISDN, Frame Relay, ATM), wireless links").

Per claim 25:

Hughes disclose:

A system for software development comprising:

which has a datasource manager manages the data, a client side component (See FIG. 8, element 800 and FIG. 1, element 104 and related discussion);

a client system connecting to a server system (See FIG. 1, and related discussion),

a plurality of server side components in which the server side components includes one or more of a set of an Account and Users manager (See FIG. 8, element 104 and related discussion),

a Project manager (FIG. 3, element 302),

a Source code compilation and run-time management (paragraph [0042] "QA developer 216 develops the test plan using the requirements specification written by the product manager 202"),

a Repository Manager (FIG. 9, element 908),

a Datasource Manager (FIGs. 8-10 and related discussion),

a functionality Center (FIGs. 8-10 and related discussion),

a Requirements and Analysis center, Users manager manages a group of users the functionality related to said groups and users (paragraph [0041] "An architect (also referred to as a "designer") 208 designs the software component. The architect 208 preferably is a senior

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developer who acts as a mentor to and collaborates with one or more of the other team members 204, 212, 216 to design the architecture of the component”),

where said Project manager manages Projects, their components and their related functionality, in which said managing function includes one or more of a group of managing the projects' properties, adding projects, deleting projects, adding directories, deleting directories, adding files, and deleting files (paragraph [0117] “the requirements design subsystem 816 enables the product manager 204 and the architect 208 to create, edit, download, upload, and/or approve requirements in the specification”),

in which said Source code compilation and run-time management manages the source code, its compilation and running, in which said Repository Manager manages the java packages, projects and other resources in the account and its related activities (paragraph [0042] “QA developer 216 develops the test plan using the requirements specification written by the product manager 202”),

in which said Datasource Manager manages the databases, database accounts, and other databases related functionality for the users (paragraph [0047] “product manager 302 moderates a development team 300, which is formed from an distributed group of developers (used here to include designers, design reviewers, developers, development reviewers, etc.)”),

in which said managing function includes one or more of a group of creating datasources, deleting datasources, modifying datasources, creating database accounts, modifying database accounts, deleting database accounts in said datasources , managing login and Webservices related functionality for the user (paragraph [0047]

“product manager 302 moderates a development team 300, which is formed from an distributed group of

developers (used here to include designers, design reviewers, developers, development reviewers, etc.)”),

in which said Requirements and Analysis center provides the Requirements and Analysis functionality for a project (paragraph [0040] “product manager 202 can perform research in an industry to determine if companies would find useful a component that has certain characteristics, and specify the requirements for such a component”),

in which said managing function includes one or more of a group of letting the user describe the requirements, adding the project requirements, deleting the project requirements, modifying the project requirements, analyzing the project and designing the project (paragraph [0047] “product manager 302 moderates a development team 300, which is formed from an distributed group of developers (used here to include designers, design reviewers, developers, development reviewers, etc.)”).

Hughes does not explicitly disclose a DrawBoard, and a Productivity Wizard where said Account, in which said DrawBoard allows the users to draw the screens of the application, and in which said Productivity Wizards is a collection of components that allows the user to create parts of their application in an easy way.

However, Harmon discloses in an analogous computer system a DrawBoard, in which said DrawBoard allows the users to draw the screens of the application (paragraph [0031] “operator... finish button 159, collector finished screen... displayed. Collector finished screen 100G allows an operator to exit the data collector wizard (button 162)...:data collector wizard... allows an operator to exit the data collector wizard and launch a graphical user interface (button 166) to provide a graphical view of a deployment of data collectors. Additionally, the data collector wizard

allows an operator to exit the data collection wizard and start operation of the created data collector itself (button 167) or view log files (box 168) with respect to the operation of data collectors for which operation has been started"), and a Productivity Wizard where said Account in which said Productivity Wizards is a collection of components that allows the user to create parts of their application in an easy way (paragraph [0039] "FIG. 2, a high level diagram of a user interface tool...data collector wizard...welcome screen 201, component selection screens 202, and customization option screen 203...communication with customization tool 250").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the method of including a DrawBoard, and a Productivity Wizard where said Account, in which said DrawBoard allows the users to draw the screens of the application, and in which said Productivity Wizards is a collection of components that allows the user to create parts of their application in an easy way as taught by Harmon in the method of software development as taught by Hughes. The modification would be obvious because of one of ordinary skill in the art would be motivated to have a DrawBoard, and a Productivity Wizard where said Account, in which said DrawBoard allows the users to draw the screens of the application, and in which said Productivity Wizards is a collection of components that allows the user to create parts of their application in an easy way to provide user interface tool which not only provide high level guidance with respect to configuration options, but which further inform the operator that further configuration is available and provides simplified access to more detailed configuration options (paragraph [0006]).

Conclusion

21. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Satish S. Rampuria** whose telephone number is **(571) 272-3732**. The examiner can normally be reached on **8:30 am to 5:00 pm** Monday to Friday except every other Friday and federal holidays. Any inquiry of a general nature or relating to the status of this application should be directed to the **TC 2100 Group receptionist: 571-272-2100**

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Wei Y. Zhen** can be reached on **(571) 272-3708**. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Satish S. Rampuria
Patent Examiner/Software Engineer
Art Unit 2191



WEI ZHEN
SUPERVISORY PATENT EXAMINER